Sustainable Development: The Swedish Defence Sector Is Contributing!

Presented at the 30th Environmental and Energy Symposium & Exhibition, San Diego April 5-8 2004

by

Mr Bengt Stromstedt, Environmental Director
The Swedish Defence Materiel Administration

SWEDEN

Area = California
Population = 9 million
Capital = Stockholm

The Swedish Defence Sector

- The Armed Forces
- The Fortifications Administration
- The Defence Research Agency
- The Defence Radio Establishment
- The National Defence College
- The Defence Material Administration

Definition
Sustainable development

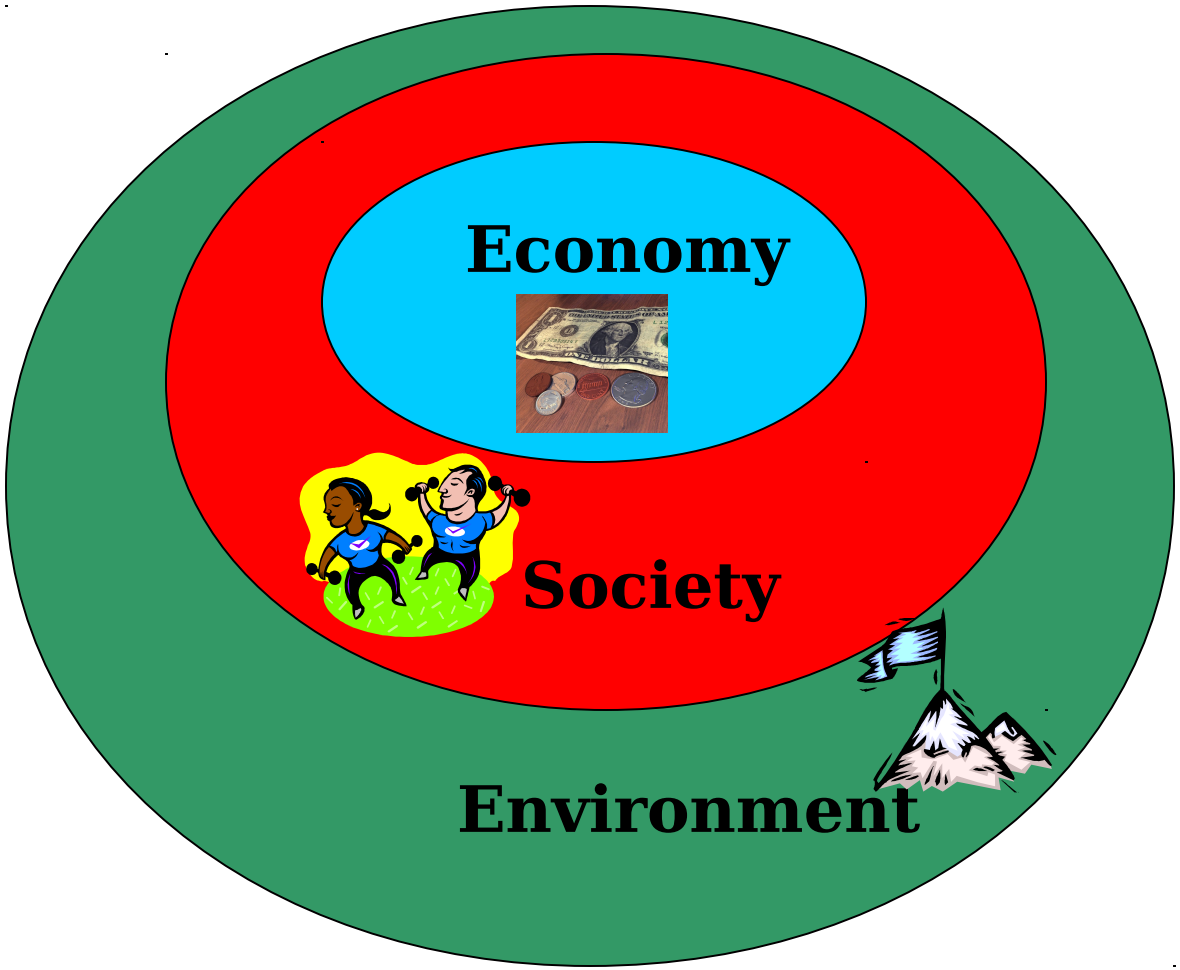
The ability of humanity to ensure that it meets the needs of the present without compromising the ability of future generations to meet their own needs.

(The World Commission on Environment and Development's (the Brundtland Commission) report "Our Common Future", 1987)

Definition

Sustainable development involves the simultaneous pursuit of economic prosperity, environmental quality and social equity.

(World Business Council on Sustainable Develop


Economy
Society
Environment

A summary of Government Communication 2001/02:172

Sweden's National Strategy for Sustainable Development 2002

Why a Swedish National Strategy??

- Sustainable development is the overall objective of the Government´s policy
- Brings together the social, economic and environmental priorities in the shift towards a sustainable society
- Meets the commitment made by all UN Member States to have drafted a national strategy in time for the Johannesburg World Summit 2002

The Heart of the Swedish Vision of Sustainable Development

Combining social welfare and economic development with a sound environment!

Requires cooperation on a local, regional and national level as well as globally!

» The overall aim is to hand over to the next generation a society in which the major environmental problems have been solved.«

The Swedish Parliament (Riksdagen)
1999

15 Environmental Quality Objectives

1 Reduced Climate Impact

2 Clean Air

3 Natural Acidification Only

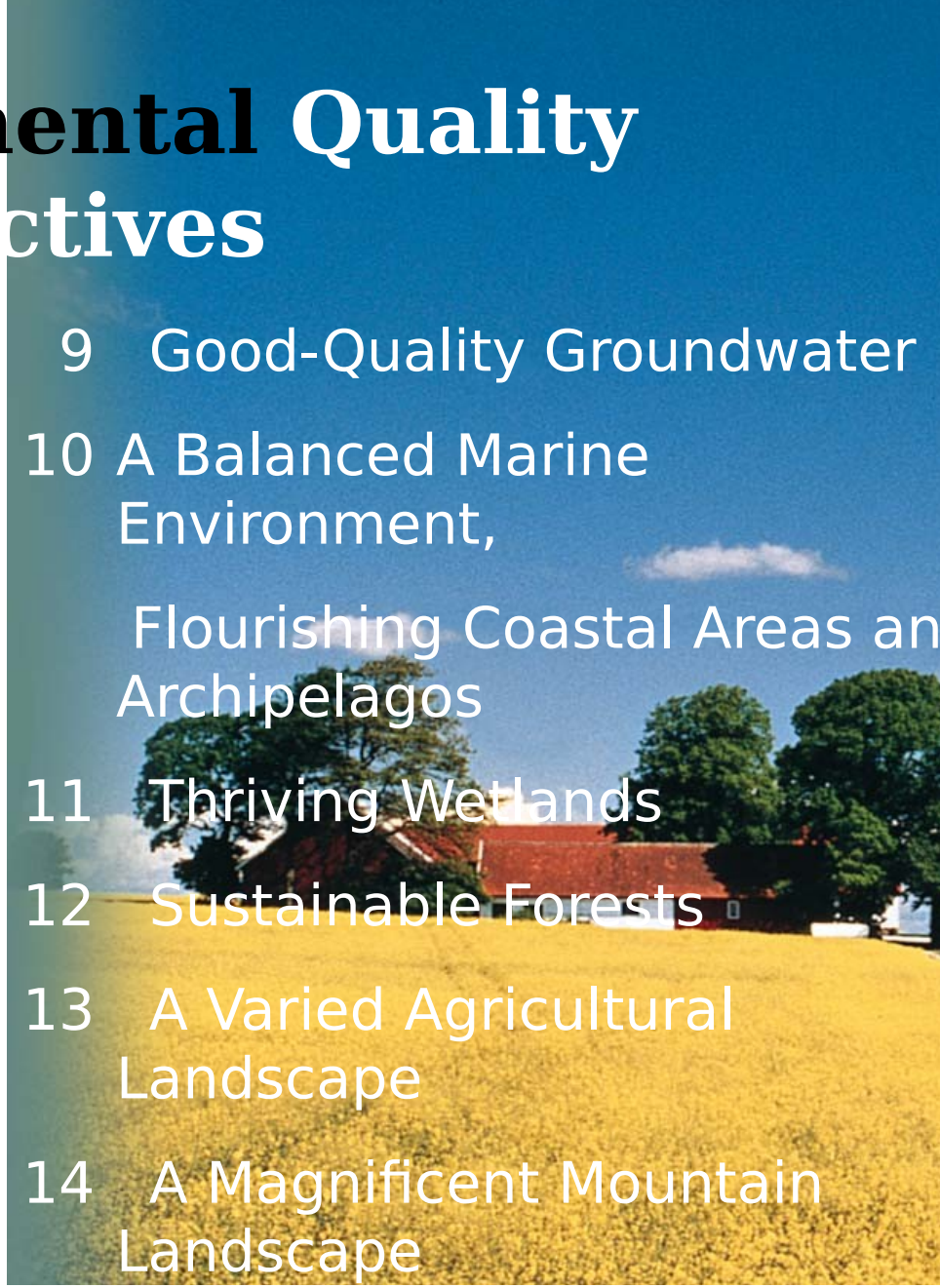
4 A Non-Toxic Environment

5 A Protective Ozone Layer

6 A Safe Radiation Environment

7 Zero Eutrophication

8 Flourishing Lakes and Streams



9 Good-Quality Groundwater

10 A Balanced Marine Environment,

Flourishing Coastal Areas an Archipelagos

11 Thriving Wetlands

12 Sustainable Forests

13 A Varied Agricultural Landscape

14 A Magnificent Mountain Landscape

ISO14001

Environmental Management System

ISO14001

ISO14001

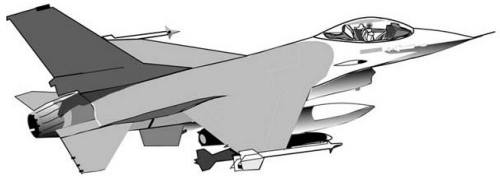
All 250 Government authorities have introduced, or are presently introducing, EMS!

ISO14001

ISO14001

What has this to do with the Defence Sec

- Sustainability is the overall objective of the Government's p
- All authorities have a responsibility to work for ecological su
- The Armed Forces is one of 25 sectorial author
- The Armed Forces and the Defence Materiel Administration assignment 2004 from the Government to start up work for dimensional sustainable development.



The Environmental Impact from Peacetime Defence Operations

is mainly caused by the production, operation, maint
and demil of

- products & systems
- infrastructure like buildings, roads, training faciliti

SWEDISH ARMED FORCES

¤ EMS introduced in the whole organization

¤ Environmental handbook issued

¤ University trained environmental officers appointed to every peacetime unit

¤ Land management plans: individual land management and
care plans for exercise areas and firing ranges

¤ The environmental aspects are included in all activities as an important part of planning and implementation

¤ Environmental objectives and a plan of action are drawn
up for each international peace keeping operation.

The Defence Materiel Administrati

<u>Environmental Objective</u>:
To minimize the environmental impact
from weapon systems throughout the whole life-cycle.

- ¤ EMS introduced as one leg in an integrated management syst
- ¤ Environmental training for all co-workers with special focus on
  managers on all levels and procurement officers
- ¤ Computer based aid for PM: ” Environmental support in the li
- ¤ Joint HazMat Management System for the whole Defence Sect

- ¤ REQUIREMENTS ON CONTRACTORS AND PRODUCTS

Requirements on the contractor

¤ **Environmental Management System**

¤ **Environmental plan**

A preliminary environmental plan, for the system of interest,
shall be enclosed the bid.

The environmental plan shall contain:

- the Contractor’s systematic environmental work for the system of interest
- the documented structure, responsibility and authorities for important roles that can influence and effect the environmental impact from the system of interest
- all activities needed to fulfil all environmental requirements on the system of interest
- the result from all performed activities
- a list of all consultants and subcontractors

¤ **Environmental Auditing**

Product requirements

- HazMat
- Batteries
- Electronics
- Construction materials
- Energy consumption
- Emissions incl. noise
- Radioactive sources
- Design for demil

Examples of International Cooperation

The Armed Forces

Extensive program with Estonia, Latvia, Lithuania

- Environmental handbook
- Environmental training of officers
- Clean-up of Soviet bases

MoU with Russia, coop starting with Ukraine & others

The Armed Forces / The Defence Materiel Administration

MoU with USA

- Environmentally Sound Methods for Demil of Munitions
- Development of Green Energetic Materials

The Defence Materiel Administration

- Coop among the Scandinavian countries on the greening of weapon s
- Coop with France on the greening of weapon systems
- Program starting up with Lithuania concerning training of officers & P

on the greening of weapon systems and HazMat management

A joint publication of Sweden and the United States

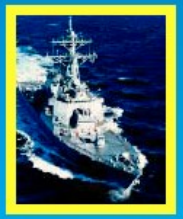
Environmental Considerations in the Systems Acquisition Process

A Handbook For
Program Managers

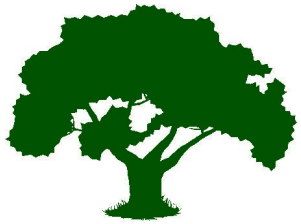
Совместное издание Швеции и Соединенных

Экологические аспекты приобретения систем оружия

Справочное пособие
для руководителей программ



Sustainability: The Swedish Defence Sector is Contributing



Summary

Key factors for ecological sustainability in the Defence Sec

- **The introduction of a management system fulfilling ISO 1**
  to make environmental work an everyday task
- **Adopt a life cycle approach to all forms of acquisition**
- **Focus your efforts!**
- **Training and education of all personnel with emphasis on**
- **Cooperation in all forms**

The Way Ahead

- Full sustainable development is the road.
- Integration of the environmental, social and economic dimension is the tool.
- A combination of social welfare and economic development with a sound environment is the heart!
- A combination of new know-how and historic experience is needed.
- The participation of EVERYONE is essential.
- Cooperation is crucial!

Thank You!